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THIS IS UNEVALUATED INFORMATION FOR THE RESEARCH
USE OF TRAINED INTELLIGENCE ANALYSTS

SOURCE Documentary as indicated. (Information specifically requested.)

RECENTLY PUBLISHED RESEARCH OF THE
VITEBSK MEDICAL INSTITUTE, USSR

"Effect of Copper and of Manganese Salts on Hyper-
and Hypoglycemia and on Glycolytic Activity of the
Blood," P. I. Shkol'nik, Med Inst, Vitebsk

"Byull Eksper Biol i Med" Vol 22, No 7, 1946, pp 27-30

Subcutaneous injection of 2 mg of CuSO_4 per kg or 1-1.5 mg of MnCl_2 per kg into rabbits decreased blood sugar in alimentary hyperglycemia produced in rabbits by oral administration of 4 gr glucose per kg and in hyperglycemia produced by adrenaline 0.5 mg per kg. In hyperglycemia produced by injection, only CuSO_4 was tested. It decreased blood sugar. Either salt increased the effect of 0.5 mouse units of insulin per kilogram in producing hypoglycemia. Intensity of glycolytic action of the blood of both dogs and rabbits was increased by subcutaneous injection of CuSO_4 or of MnCO_3 .

"Biological Role of the Salts of the Elements That Occur in the Organism in Minute Quantities: IIX. Role of Fluorine in Carbohydrate Metabolism," F. Ya. Berenshteyn, Chair of Biochem, Med Inst, Vitebsk

"Byull Eksper Biol i Med" Vol 19, No 3, 1945, pp 57-60

Subcutaneous injections of NaF in minimal doses produce marked hyperglycemia in guinea pigs. NaF increases adrenaline hyperglycemia, exerts no definite influence

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produced by insulin. It appears that F in vivo and
vitro affects affects carbohydrate metabolism.

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